

10/586541

IAPI1 Rec'd PCT/PTO 19 JUL 2005

**PATENT APPLICATION**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of

Yuzo SENDA

Docket No: Q95983

PCT/JP/2005/000471

-filed January 17, 2005

Appln. No.: Not assigned yet

Confirmation No.: Not assigned yet

Group Art Unit: Not assigned yet

Filed: July 19, 2006

Examiner: Not assigned yet

For: PARITY CHECK MATRIX GENERATION METHOD, DATA TRANSMISSION SYSTEM, ENCODING DEVICE, DECODING DEVICE, AND A PARITY CHECK MATRIX GENERATION PROGRAM

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97 and 1.98**

**MAIL STOP AMENDMENT**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application.

1. Japanese Patent Application Publication No. 2001-168733, published June 22, 2001, along with English-Language Abstract;

2. Japanese Patent Application Publication No. 2003-244109, published August 29, 2003, along with English-Language Abstract;

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. to Yuzo SENDA

3. Japanese Patent Application Publication No. 2003-115768, published April 18, 2003,  
along with English-Language Abstract;

4. Japanese Patent Application Publication No. 2003-198383, published July 11, 2003,  
along with English-Language Abstract;

5. Japanese Patent Application Publication No. 2003-296302, published October 17,  
2003, along with English-Language Abstract;

6. International Application Publication No. WO 01/97387, published December 20,  
2001, along with English-Language Abstract;

7. Michael G. Luby et al. "Efficient Erasure Correcting Codes" IEEE Transactions on  
Information Theory, Vol. 47, No. 2, February 2001, pages 569-584;

8. Thomas J. Richardson et al. "Design of Capacity-Approaching Irregular Low-Density  
Parity-Check Codes" IEEE Transactions on Information Theory, Vol. 47, No. 2, February 2001,  
pages 619-637;

9. David J.C. Mackay "Good Error-Correcting Codes Based on Very Sparse Matrices",  
IEEE Transactions on Information Theory, Vol. 45, No. 2, March 2, 1999, pages 399 to 431.

One copy of each of the listed documents is submitted herewith.

The present Information Disclosure Statement is being filed: (1) No later than three  
months from the application's filing date; (2) Before the mailing date of the first Office Action  
on the merits (whichever is later); or (3) Before the mailing date of the first Office Action after  
filing a request for continued examination (RCE) under §1.114, and therefore, no Statement  
under 37 C.F.R. § 1.97(e) or fee under 37 C.F.R. § 1.17(p) is required.

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In compliance with the concise explanation requirement under 37 C.F.R. § 1.98(a)(3) for foreign language documents, Applicant states that reference 3 and 4 are cited within the specification beginning at page 6, line 2. Applicant encloses herewith a copy of an International Search Report citing documents 1 and 2 indicating the degree of relevance found by the foreign patent office.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,

  
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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: July 19, 2006

Substitute for Form 1449 A & B/PTO  <b><u>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</u></b>  <i>(use as many sheets as necessary)</i>				Complete if Known	
		Application Number		Not assigned yet	
		Confirmation Number		Not assigned yet	
		Filing Date		July 19, 2006	
		First Named Inventor		Yuzo SENDA	
		Art Unit		Not assigned yet	
		Examiner Name		Not assigned yet	
		Attorney Docket Number		Q95983	
Sheet	1	of	1		

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			
		US			

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> <i>(if known)</i>			
		JP	2001-168733	A	06-22-2001		
		JP	2003-244109	A	08-29-2003		
		JP	2003-115768	A	04-18-2003		
		JP	2003-198383	A	07-11-2003		
		JP	2003-296302	A	10-17-2003		
		WO	01/97387	A1	12-20-2001		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		MICHAEL G. LUBY et al. "Efficient Erasure Correcting Codes" IEEE Transactions on Information Theory, Vol. 47, No. 2, February 2001, pages 569-584	
		THOMAS J. RICHARDSON et al. "Design of Capacity-Approaching Irregular Low-Density Parity-Check Codes" IEEE Transactions on Information Theory, Vol. 47, No. 2, February 2001, pages 619-637.	
		DAVID J.C. MACKAY "Good Error-Correcting Codes Based on Very Sparse Matrices" IEEE Transactions on Information Theory, Vol. 45, No. 2, March 2, 1999, pages 399- 431.	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov), MPEP 901.04 or follow the hyperlink from the title of the document to the intranet. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to indicate here if English language Translation is attached.